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FIG. 1B	
BY	CLASS
DRAFTSMAN	

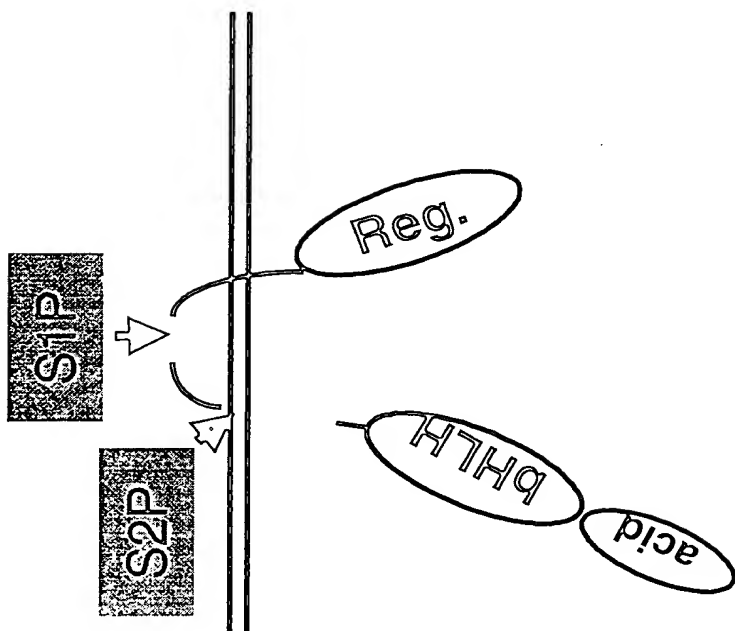


FIG. 1B

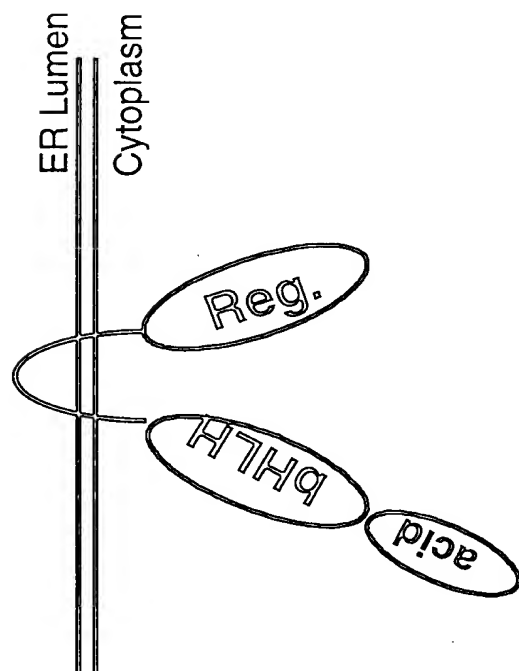


FIG. 1A

APPROVED	BY	CLASS	SUBCLASS
U.S. PAT. & T.M. OFF.			
DRAFTSMAN			

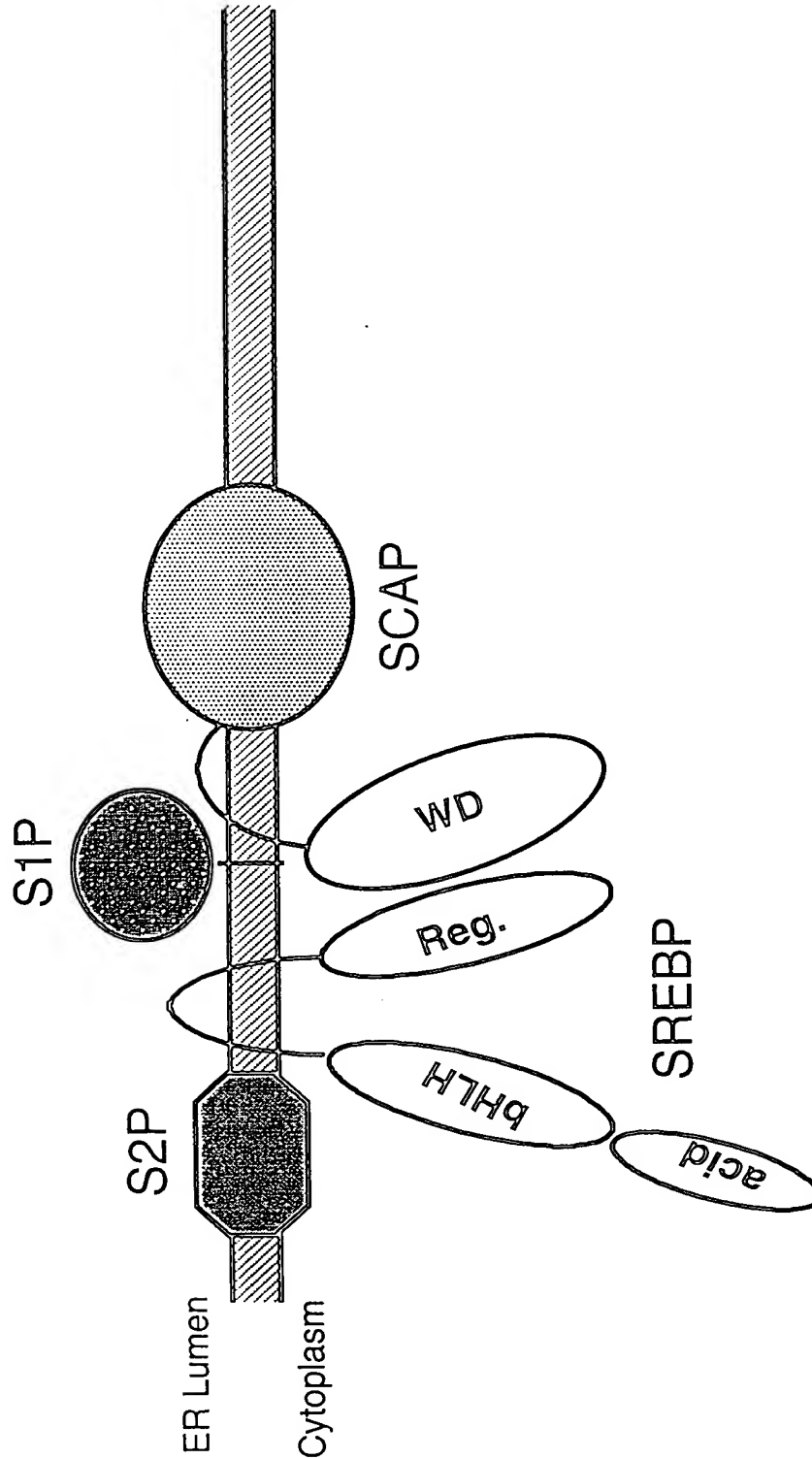


FIG. 2

FIG. 3A	CLASS	SUBCLASS
EV	CLASS	SUBCLASS
DESCRIPTION		

GGTTTAATTACCCAAGTTTGAGAATGAACGAAGAATTCGAGGGAGACGTC 50
CCAAATTAATGGGTTCAAACCTCTTACTTGCTTCTTAAGCTCCCTCTGCAG

CCTATGTCGGATCCGTTTCTCTCATTTGGTCACAAAATTGGATGATATTGC 100
GGATACAGCCTAGGCAAAGAGAGTAACCAGTGTTTTAACCTACTATAACG

GCCATTTCCAAATAACGACCCGCTCGATTTTGACATGGAGCACAACCTGGC 150
CGGTAAAGGTTTATTGCTGGGCGAGCTAAAACTGTACCTCGTGTTGACCG

AAGAGCCCGGACCATCACACAACCGGATCCATCAATTCCTGGAAATCAA 200
TTCTCGGGCCTGGTAGTGTTGTTGGCCTAGGTAGTTAAGGGCCTTTAGTT

CACAGTCCGCCACAGGAATATTATGATATTGATGGTCAACGAGACGTAAG 250
GTGTCAGGCGGTGTCCTTATAATACTATAACTACCAGTTGCTCTGCATTC

CACCTTACACTCCCTGCTCAACCACAACAACGACGACTTCTTCTCAATGC 300
GTGGAATGTGAGGGACGAGTTGGTGTTGTTGCTGCTGAAGAAGAGTTACG

GATTTTCCCCGCCAAACTTTGATCTCGGCGGAGGCCGTGGACCTTCTCTA 350
CTAAAAGGGGCGGTTTGAAACTAGAGCCGCCTCCGGCACCTGGAAGAGAT

GCCGCCACCCAACAATTATCTGGAGAAGGTCTGCAAGTATGCTTAACCC 400
CGGCGGTGGGTTGTTAATAGACCTCTTCCAGGACGTTCATACGAATTGGG

CTTACAAACATCTCCACCAAGTGAGGTTACCCCCCGGCAGATGCCTACA 450
GAATGTTTGTAGAGGTGGTTCACCTCCAATGGGGGGCCGTCCTACGGATGT

GACCTCTATCACTTGCTCAACAACCTCGCCGCGCCAGCGATGACTCCACAT 500
CTGGAGATAGTGAACGAGTTGTTGAGCGGCGCGGTCGCTACTGAGGTGTA

CAGGCAGCGTCGCTTTTTTGTTAATACTAATGGAATTGATCAAAAGAATTT 550
GTCCGTCGCAGCGAAAAACAATTATGATTACCTTAACCTAGTTTTCTTAAA

CACTCATGCAATGCTATCTTCAACCACACCATACTCAATGACTTCTCAAC 600
GTGAGTACGTTACGATAGAAGTGGTGTGGTATGGAGTTACTGAAGAGTTG

CATATACAGAAGCCATGGGACATATCAACGGGTACATGTCTCCATACGAC 650
GTATATGTCTTCGGTACCCTGTATAGTTGCCCATGTACAGAGGTATGCTG

CAAGCTCAAGGCCCATCAGGACCATCATATTACTCACAACACCATCAATC 700
GTTTCGAGTTCCGGGTAGTCCTGGTAGTATAATGAGTGTTGTGGTAGTTAG

TCCACCACCTCATCACCACCATCACCACCCGATGCCAAAAATCCATGAGA 750
AGGTGGTGGAGTAGTGGTGGTAGTGGTGGGCTACGGTTTTTAGGTACTCT

ACCCTGAACAAGTGGCATCTCCATCGATTGAAGATGCTCCAGAGACGAAA 800
TGGGACTTGTTCAACCGTAGAGGTAGCTAACTTCTACGAGGTCTCTGCTTT

FIG. 3A

APPROVED	0.6.FIG.
BY	CLASS/RECLASS
DRAFTSMAN	

CCAACTCATTGTTGAACCACAAAGTCCAAAAAGCCCGCAGAATATGAA 850
 GGTTGAGTAAACCAACTTGGTGTTCAGGTTTTTCGGGCGTCTTATACTT

 AGAGGAGCTTCTTCGGTTACTAGTTAACATGTCTCCGAGTGAAGTTGAAC 900
 TCTCCTCGAAGAAGCCAATGATCAATTGTACAGAGGCTCACTTCAACTTG

 GGTAAAGAATAAAAAATCAGGAGCATGTTTCAGCGACGAATGGGCCATCG 950
 CCAATTTCTTATTTTTTTAGTCCTCGTACAAGTCGCTGCTTACCCGGTAGC

 AGGAGTAAGGAGAAGGCGGCGAAGATTGTGATTCAGGAGACAGCGGAAGG 1000
 TCCTCATTCCTCTTCGCGCGCTTCTAACACTAAGTCCTCTGTGCGCTTCC

 GGATGAAGATGAGGATGATGAGGATAGTGATTCCGGGGAGACTATGTCTC 1050
 CCTACTTCTACTCCTACTACTCCTATCACTAAGGCCCTCTGATACAGAG

 AGGGAAC TACTATTATTGTTTGAAGACCAAAAACCGAGCGTCGTACGGCA 1100
 TCCCTTGATGATAATAACAAGCTTCTGGTTTTTGGCTCGCAGCATGCCGT

 CACAATCTCATCGAAAAGAAGTATAGATGCTCAATAAATGATCGAATTCA 1150
 GTGTTAGAGTAGCTTTTCTTCATATCTACGAGTTATTTACTAGCTTAAGT

 ACAGCTGAAAGTACTTTTGTGTGGGGATGAAGCTAAGCTTTCAAATCGG 1200
 TGTCGACTTTCATGAAAACACACCCCTACTTCGATTTCGAAAGTTTTAGCC

 CAACACTACGACGGGCTATTGAACATATCGAGGAGGTTGAACACGAGAAT 1250
 GTTGTGATGCTGCCCCGATAACTTGTATAGCTCCTCCAAC TTGTGCTCTTA

 CAGGTGTTGAAGCATCATGTTGAACAAATGAGAAAGACACTGCAGAATAA 1300
 GTCCACAAC TCGTAGTACAAC TTGTTACTCTTTCTGTGACGTCTTATT

 TCGATTACCGTACCCGGAACCAATTCAATACACTGAATACTCTGCCCCGAT 1350
 AGCTAATGGCATGGGCCTTGGTTAAGTTATGTGACTTATGAGACGGGCTA

 CACCCGTGCAATCATCTCCTTCTCCACCTAGAAATGAGAGAAAACGATCA 1400
 GTGGGCAGCTTAGTAGAGGAAGAGGTGGATCTTACTCTCTTTTGCTAGT

 CGAATGAGCACAACGACTCCTATGAAGAATGGAAGTAGAGATGGATCTTC 1450
 GCTTACTCGTGTTGCTGAGGATACTTCTTACCTTGATCTCTACCTAGAAG

 GAAAGTTACCCTTTTTGCGATGCTCCTAGCAGTTCTGATTTTTTAATCCGA 1500
 CTTTCAATGGGAAAAACGCTACGAGGATCGTCAAGACTAAAAATTAGGCT

 TTGGATTGCTCGCTGGAAGTGCGATATTCTCAAAGCCGCTGCAGAAGCT 1550
 AACCTAACGAGCGACCTTCACGCTATAAGAGTTTTTCGGCGACGTCTTCGA

 CCGATTGCCTCCCCGTTTCGAGCATGGAAGAGTGATTGATGACCCGGATGG 1600
 GGCTAACGGAGGGGCAAGCTCGTACCTTCTCACTAACTACTGGGCCCTACC

FIG. 3B

0.0. FIG.	CLASS
BY	DRAFTSMAN

AACTAGCACTCGGACGCTTTTCTGGGAAGGGAGTATCATCAATATGAGCT 1650
TTGATCGTGAGCCTGCGAAAAGACCCTTCCCTCATAGTAGTTATACTCGA

ATGTCTGGGTGTTCAACATCTTAATGATCATATATGTGGTTGTCAAAC TG 1700
TACAGACCCACAAGTTGTAGAATTACTAGTATATACACCAACAGTTTGAC

CTGATCCATGGTGACCCTGTTCAAGACTTCATGTCCGTTTCATGGCAGAC 1750
GACTAGGTACCCTGGGACAAGTTCTGAAGTACAGGCAAAGTACCGTCTG

TTTTGTGACGACTCGAGAGAAGGCGAGAGCCGAGTTGAACTCTGGAAATT 1800
AAAACACTGCTGAGCTCTCTTCCGCTCTCGGCTCAACTTGAGACCTTTAA

TGAAAGATGCTCAGAGAAAAGTTCTGCGAGTGTCTTGCAACGTTGGATCGA 1850
ACTTTCTACGAGTCTCTTTCAAGACGCTCACAGAACGTTGCAACCTAGCT

TCGCTTCCATCACCGGGGGTTGATTTCGGTGTTCGCTGGGCTGGGAATG 1900
AGCGAAGGTAGTGGCCCCCACTAAGCCACAAAAGCCAACCGACCCTTAC

CGTTCGACATCTTTTGAATTGGTTGTGGATCGGGAGATACATCGCAAGAA 1950
GCAAGCTGTAGAAAACCTTAACCAACACCTAGCCCTCTATGTAGCGTTCTT

GGCGCAGGTCCACCACGAAGCCTGTCTCAGTCGTTTGTAGGAGTCATGCG 2000
CCGCGTCCAGGTGGTGCTTCGGACAGAGTCAGCAAACATCCTCAGTACGC

CAGACTGCAGTTCTCTATCATGAAATTCATCAGCTCCATCTAATGGGTAT 2050
GTCTGACGTCAAGAGATAGTACTTTAAGTAGTCGAGGTAGATTACCCATA

CACTGGAAACTTCGAAGACACCTATGAACCATCCGCCCTAACGGGCCTCT 2100
GTGACCTTTGAAGCTTCTGTGGATACTTGGTAGGCGGGATTGCCCGGAGA

TCATGTCCCTCTGTGCAGTAAACCTTGCTGAAGCTGCCGGAGCATCAAAC 2150
AGTACAGGGAGACACGTCATTTGGAACGACTTCGACGGCCTCGTAGTTTG

GACGGACTTCCACGCGCCGTCATGGCTCAGATCTACATTTCTGCATCCAT 2200
CTGCCTGAAGGTGCGCGGCAGTACCGAGTCTAGATGTAAAGACGTAGGTA

CCAATGCCGTTTGGCTCTTCCGAACCTACTCGCACCATTCTTCTCGGGAT 2250
GGTTACGGCAAACCGAGAAGGCTTGATGAGCGTGGTAAGAAGAGCCCTA

ACTTTTTTACGAAGAGCTCGAAGGCACGTGCGTCGAGCTCCGGAGCACTCG 2300
TGAAAAATGCTTCTCGAGCTTCCGTGCACGCAGCTCGAGGCCTCGTGAGC

GTGTCCCATTTGTTATGGATCTTCCATCCAGCGACAAGAAAGTTTCATGTC 2350
CACAGGGTAAACAATACCTAGAAGGTAGGTGCTGTTCTTTCAAGTACAG

AGATGCGAAAAGGTTGGAGCATGTGTTGAGCTCGAAGCAGAAGCAGTTGA 2400
TCTACGCTTTTCCAACCTCGTACACAACCTCGAGCTTCGTCTTCGTCAACT

FIG. 3C

ARTICLE	011116.
BY	CLASS
CRAFTSMAN	SUBCLASS

FIG. 3D

APPROVED	0.0. FIG.	CLASS	CLASS
BY			
DRAFTSMAN			

ATGCTCAACGGAGCCAACCCACAAGCCACGTGGTCAGGCGYCCGACGCGT 3250
TACGAGTTGCCTCGGTTGGGTGTTTCGGTGCACCAGTCCGCRGGCTGCGCA
TCGATCTACAAAAATGGACGCGGTCCGAGGAAGAGTGAGCATGCGACGCT 3300
AGCTAGATGTTTTTACCTGCGCCAGGCTCCTTCTCACTCGTACGCTGCGA
CGGCTCAACCGGACGCATTTTCATCTTCATACACTGGTTAAACTACATACT 3350
GCCGAGTTGGCCTGCGTAAAGTAGAAGTATGTGACCAATTTGATGTATGA
TCTATGGATCTTTGAATTGAACAAAAAATGATTTTATTCAGAATAATGAT 3400
AGATACCTAGAACTTAACTTGTTTTTTACTAAAATAAGTCTTATTACTA
AAATACGATTATATATAAA
TTTATGCTAATATATATTT

FIG. 3E

U.S. AIR FORCE	CLASS	SUBCLASS
ET		
DRAFTSMAN		

MNEEFEGDVPMSPDFLSLVTKLDDIAPFPNNDPLDFDMEHNWQEPGPSQQ 50
PDPSIPGNQHSPPQEYYDIDGQRDVSTLHSLLNHNNDFFSMRFSPPNFD 100
LGGGRGPSLAATQQLSGEGPASMLNPLQTSPPSGGYPPADAYRPLSLAQQ 150
LAAPAMTPHQAASLFVNTNGIDQKNFTHAMLSSPHHTSMTSQPYTEAMGH 200
INGYMSPYDQAQGPSGPSYYSQHHQSPPPHHHHHHHMPKIHENPEQVASP 250
SIEDAPETKPTHLEVPQSPKSPQNMKEELLRLLVNMSPSEVERLKNKKS 300
ACSATNGPSRSKEKAAKIVIQETAEGDEDEDDEDSDSGETMSQGTIIIVR 350
RPKTERRTAHNLEKKYRCSINDRIQQLKVLLCGDEAKLSK SATLRRRAIE 400
HIEEVEHENQVLKHHVEQMRKTLQNNRLPYPEPIQYTEYSARSPVESSPS 450
PPRNERKRSRMSTTTMPKNGTRDGSSKVTLFAMLLAVLIFNPIGLLAGSA 500
IFSKAAAEAPIASPFEGHGRVIDDPDGTSTRTLFWEGSIINMSYVWVFNIL 550
MIIYVVVKLLIHGDPVQDFMSVSWQTFVTTREKARAE LN SGNL KDAQRKF 600
CECLATLDRSLPSPGVDSVFSVGWECVRHLLNWLWIGRYIARRRRSTTKP 650
VSVVCRSHAQTAVLYHEIHQLHLMGITGNFEDTYEPSALTGLFMSLC AVN 700
LAEAGASNDGLPRAVMAQIYISASIQCRLALPNLLAPFFSGYFLRRARR 750
HVRRAPEHSVSHLLWIFHPATRKFM SDAKRLEHVLSSKQKQLRFGSFVED 800
EQLSPLARIRTTLKVYLLSKLVQELVGGDEIFTKNVERILNDNDR L DDEV 850
DVVDVSRLLV TISTQCAAILTNEKDESAKFGTWISRNGDACCTW WTHVLT 900
CGIYWRSNKNELARQHYS LIRNCP PKILT DNLGLAVGHALCARKICIDDR 950
DSPKVSQYVCIHTKKSLESLR L FSTSSRASGVVSGIQEGTRRMAYEWIMN 1000
SLLDAWRSNLFASKPYWTQSFKGQSTFSTLYQEAYNHYAIINGTRGDCWR 1050
LFVYELTCRMLNGANPQATWSGXRRVRSTKMDAVRGRVSMRRSAQPDAFH 1100
LHTLVKLHTSMDL

FIG. 4

CGGCACGAGGATTAATGCTGATTTCTGGTCTGGACTACACAGCATTGCTG 50
GCCGTGCTCCTAATTACGACTAAAGACCAGACCTGATGTGTCGTAACGAC

GTATAAGGAGTCGGGACCAGAGGAGTAAGATTTTCGGGAAGGAATCCCGTC 100
CATATTCCTCAGCCCTGGTCTCCTCATTCTAAAGCCCTTCCTTAGGGCAG

CGGTAGGGACTACTAGCATTTCGCAAGTGACGTCCAGCAACCGGAGGACCC 150
GCCATCCCTGATGATCGTAAGCGTTCCTGTCAGGTCGTTGGCCTCCTGGG

CCAACTGTAGAATCCGCATCACCATCCTAATCCCAACAAACCAATGACAT 200
GGTTGACATCTTAGGCGTAGTGGTAGGATTAGGGTTGTTTGGTTACTGTA

CTTGAGACCTCACCAGCCATGGATCCCTTCGTGTTCTTCATAGTACTGGC 250
GAACTCTGGAGTGGTCGGTACCTAGGGAAGCACAGAAGTATCATGACCG

ATCGCTTTATGGCGTTCTTTACTTTTTTCGACCGCTTCTTCAAGAGTTGCA 300
TAGCGAAATACCGCAAGAAATGAAAAAGCTGGCGAAGAAGTTCTCAACGT

TGCACTACCCGTACGATGCCTTCCTCAAGAACACCGGGCTGAGTATAAAT 350
ACGTGATGGGCATGCTACGGAAGGAGTTCTTGTGGCCCGACTCATATTTA

TTCATGAGCCTCCACTGGCACACGAGTGCCTTTAACAGGACCCTCCTACG 400
AAGTACTCGGAGGTGACCGTGTGCTCACGGAAATTGTCCTGGGAGGATGC

CTGGGGATCTGCCGGTAACAGCTGCACCCGGAGAGTAATGATCACCAGCT 450
GACCCCTAGACGGCCATTGTGACGTGGGCCTCTCATTACTAGTGGTCTGA

TTAATGTAGGAGTCCTGGTCACCTTTTCTCTGCTCCCGATCGGTCTGATC 500
AATTACATCCTCAGGACCAGTGGAAAAGAGACGAGGGCTAGCCAGACTAG

CTGCTCATTGCCACTATCTTCAGCAGTGGTGAACAAGACAGCTCTTCGTC 550
GACGAGTAACGGTGATAGAAGTCGTCACCACTTGTTCCTGTCGAGAAGCAG

TGTATCCTCGCCCGTTGGAGTCCCTGTGCAGCTGGAAATTCTACTGCCCG 600
ACATAGGAGCGGGCAACCTCAGGGACACGTGCACCTTTAAGATGACGGGC

GCGTCAACTTGCCGTTGGAGGAGATCGGATACTACATCACAACCCTTGTC 650
CGCAGTTGAACGGCAACCTCCTCTAGCCTATGATGTAGTGTTGGGAACAC

CTCTGCTTGGTGGTGCACGAGATGGGACACGCCCTGGCCGCTGTGATGGA 700
GAGACGAACCACCACGTGCTCTACCCTGTGCGGGACCGGCGACACTACCT

GGATGTGCCTGTCACCGGGTTTGAATAAAGTTCATCTTCTGCCTGCCGT 750
CCTACACGGACAGTGGCCCAAACCTTATTTCAAGTAGAAGACGGACGGCA

TAGCATACACGGAGCTCTCCCACGACCACTTAAACAGTCTACGTTGGTTC 800
ATCGTATGTGCCTCGAGAGGGTGCTGGTGAATTGTGTCAGATGCAACCAAG

FIG. 5A

CGCAAGCTACGTGTTCTGTGCGCTGGAATCTGGCATAATTTTGTGTTTCGC 850
GCGTTCGATGCACAAGACACGCGACCTTAGACCGTATTTAAACACAAGCG

TGGCGTGTGCTATCTCTTAATCTCAACGGTGGGAATCACTATGTACACCTT 900
ACCGCACACGATAGAGAATTAGAGTTGCCACCCTTAGTGATACAGTGGA

TGTACGCTTACAACCAACACGTAGTGGTCACTGAACTAACAAGGAAATCC 950
ACATGCGAATGTTGGTTGTGCATCACCAGTGACTTGATTGTTCCCTTAGG

CCGCTGAGGGGAGAGCGCGGCTTGCAAGTGGACAATCAAATAACCCAAGT 1000
GGCGACTCCCCTCTCGCGCCGAACGTTACCTGTTAGTTTATTGGGTTCA

AAACGGCTGCCCAGTAAACAGCGAGGAGAGTTGGGTGACATGCCTGCAGA 1050
TTTGCCGACGGGTCATTTGTGCTCCTCTCAACCCACTGTACGGACGTCT

ACTCTCTGAAGCTCAAGCCGGGCTACTGTGTGAGTGCGGACTTCGTGCAG 1100
TGAGAGACTTCGAGTTCGGCCCCGATGACACACTCACGCTGAAGCACGTC

CTTAACGACGAAAGCAGCGCCATCTCACATCATAGCATTGATGGTCAGCT 1150
GAATTGCTGCTTTCGTGCGGGTAGAGTGTAGTATCGTAACCTACCAGTCGA

ACAGTGCTGTGATGAACTAAATCCGAACGTAAGCTGCTTCGAGGTGGTGG 1200
TGTCACGACACTACTTGATTAGGCTTGCAATTCGACGAAGCTCCACCACC

AGGACGCAAATGGAGATGTGCCGGTGGAGCTGCCGCAGCATGTATGTCTC 1250
TCCTGCGTTTACCTCTACACGGCCACCTCGACGGCGTCGTACATACAGAG

AATGTGCGCCGCACTTTGGAGGAGGTCTCCGAGCACTGCTCGTCCGGAGT 1300
TTACACGCGGCGTGAAACCTCCTCCAGAGGCTCGTGACGAGCAGGCCTCA

TTGCAACGAGGGATTCTGCCTACGACCGCTTATACGAAATATCACTGCCA 1350
AACGTTGCTCCCTAAGACGGATGCTGGCGAATATGCTTTATAGTGACGGT

TAATGACGTTCAAGCGACAGAATTTTCGCGGAGAGAAGCTGCCGCCGGTG 1400
ATTACTGCAAGTTCGCTGTCTTAAAGCGCCTCTCTTCGACGGCGGCCAC

ATCTATGTGGGCCATCCATGGGATGTCACTCGAACTGTGGAGGTATCCGC 1450
TAGATACACCCGGTAGGTACCCTACAGTGAGCTTGACACCTCCATAGGCG

CTTTGTGCCGAGATATAGCTTATTAAGGCAGCCTGGCCGGATGCCTGGC 1500
GAAACACGGCTCTATATCGAATAATTTCCGTGCGACCGGCCTACGGACCG

TGCTGCTCCTCAAGTATAACGTGGTCTTCAGCATAGGATTGGCGTTGATC 1550
ACGACGAGGAGTTCATATTGCACCAGAAGTCGTATCCTAACCGCAACTAG

AATGCCATTCCCTGCTTTGGTTTCGATGGCGCCACATTACCAGCACCGT 1600
TTACGGTAAGGGACGAAACCAAAGCTACCGCGGGTGTAATGGTCGTGGCA

FIG. 5B

APPROVED	U.S. FIG.
BY	CLASSIFICATION
DRAFTSMAN	

GATACACAGCTTCTTGGTGGGCAGAGTGGATCAGCATGCCAAGAGAGATA 1650
CTATGTGTCTGAAGAACCACCCGTCTCACCTAGTCGTACGGTTCTCTCTAT

TCATCTCGTTGATAATCACCAGCGTGGGTTCCTTCTCTTTGCACTGGCC 1700
AGTAGAGCAACTATTAGTGGTCTGCACCCAAGGGAAGAGAAACGTGACCGG

CTGCTTAAGGTGGCCTGGTTGAGTTTTCTGCGACCCCTGCTTTAAGAACT 1750
GACGAATTCCACCGGACCAACTCAAAGACGCTGGGGACGAAATTCTTGA

GAAATGGAAAAC TGAAATGGATCCTGGGAGTTCAACTCCCTGCAAAGACG 1800
CTTTACCTTTTGACTTTACCTAGGACCCTCAAGTTGAGGGACGTTTCTGC

CTAGACTGCTATTTTACCTTCACGAAACACACAAAAACACAGCGAATTGT 1850
GATCTGACGATAAAGTGGAAGTGCTTTGTGTGTTTTTGTGTCGCTTAACA

AGCACCTCAAAGATTCGATAGCTTTTTTGTCATAGTCCTTAGTCTTAACTC 1900
TCGTGGAGTTTCTAAGCTATCGAAAAACAGTATCAGGAATCAGAATTGAG

GTATTTATTTTCGTACGGTTGTCGAGCTCAAAAATAAAATCAAATTAAGC 1950
CATAAATAAAAGCATGCCAACAGCTCGAGTTTTTATTTTAGTTTAATTTCG

TAAAAAAAAAAAAAAAAAAAAAC
ATTTTTTTTTTTTTTTTTTTTG

FIG. 5C

MDPFVFFIVLASLYGVLYFFDRFFKSCMHYPYDAFLKNTGLSINFMSLHW 50
HTSAFNRTLLRWGSAGNSCTRRVMITSFNVGVLVTFSLLPIGLILLIATI 100
FSSGEQDSSSSVSSPVGVPVQLEILLPGVNLPLEEIGYYITTLVLCLVH 150
EMGHALAAVMEDVPVTGFGIKFIFCLPLAYTELSDHLNSLRWFRKLRVL 200
CAGIWHNFVFAGVCYLLISTVGITMSPLYAYNQHVVTTELTRKSPLRGER 250
GLQVDNQITQVNGCPVNSEESWVTCLQNSLKLKPGYCVSADVFQLNDESS 300
AISHHSIDGQLQCCDELNPVSCFEVVEDANGDVPVELPQHVCLNVRRTL 350
EEVSEHCSSGVCNEGFLRPLIRNITAIMTFKRQNFGEKLPPVIYVGHP 400
WDVTRTVEVSAFVPRYSLLKAAWPDWLLLLKYNVVF SIGLALINAIPCF 450
GFDGAHITSTVIHSFLVGRVDQHAKRDIISLIITSVGSLLFALALLKVAW 500
LSFLRPLL

FIG. 6

GTGTGCCTGACTGTTTTGTAGGTGTAAGGAGGGGCGTGCCAAATAGTTT 50
CACACGGACTGACAAAACATCCACATTCCTCCCCGCACCGGTTTATCAAA

TTGGTATACGGATAGAATTTGGATGAAAAATAAAACGAAATCAAAACATT 100
AACCATATGCCTATCTTAAACCTACTTTTTATTGCTTTAGTTTTGTAA

TTTCAAAAGCGTGGAAGTTTTGGCCGGCTTGTGGGCATGGCAAACGTTT 150
AAAGTTTTTCGCACCTTCAAACCGGCCGAACACCCGTACCGTTTTGCAAA

TTTGGCTATCCGTTAATCAACATACCGTTGCCCGGGACAATACCCACCAA 200
AAACCGATAGGCAATTAGTTGTATGGCAACGGGCCCTGTTATGGGTGGTT

GATCGTTGTACCCTACGAACTGGATCCGGATCGCTGTCATGGCACTCTC 250
CTAGCAACATGGGATGCTTTGACCTAGGCCTAGCGACAGTACCGTGAGAG

TTAATACATCCTCGACTACACCGCAGGAACCGCACCCCTTCCGGCGAACCC 300
AATTATGTAGGAGCTGATGTGGCGTCCTTGGCGTGGAAGGCCGCTTGGG

TGGCCCCCGAACCACAGGTACTCAATAGCAGTACCACGGACCGCAGCCC 350
ACCGGGGGGCTTGGTGTCCATGAGTTATCGTCATGGTGCTTGGCGTCGGG

GCCTCCCCTTCTGCCCTGGGCGCAGAGCAGCCCCGCCTTTTTCTACGTCC 400
CGGAGGGGAAGACGGGACCCGCGTCTCGTCGGGGCGGAAAAAGATGCAGG

AGCAGATTACTCTGCGAACCAGTGTCTCCCGTGGACGGAGGGAATGCAG 450
TCGTCTAATGAGACGCTTGGTCACAAGAGGGCACCTGCCTCCCTTACGTC

CTTATGGATGCGTTTCGTGCGCCGCTACACGAAGTTTTTAAATTGCTTGA 500
GAATACCTACGCAAAGCACGCGGCGATGTGCTTCAAAAATTTAACGAAC

AATTGTGCGCAATCACCAGAGCAGCGAAAACAAACGTACCCTGGAGCACA 550
TTAACACGCGTTAGTGGTCTCGTCGCTTTTGTGTTGCATGGGACCTCGTGT

ACTGCCTACATGTAGACAACGTAAAGCGCGGAACACACGGGCAGCTGGAC 600
TGACGGATGTACATCTGTTGCATTTTCGCGCCTTGTGTGCCCCGTCGACCTG

CAGATCTTTCCGGAGTATGGCTGCCTGCTGCTCTCGCCCGCCAACCTGTG 650
GTCTAGAAAGGCCTCATACCGACGGACGACGAGAGCGGGCGGTTGGACAC

GACGCAGAACTCTCAGAACTTTACTCGGGACACAAACATCCTGAACACGA 700
CTGCGTCTTGAGAGTCTTGAAATGAGCCCTGTGTTTGTAGGACTTGTGCT

TATTTCAGTACCATAACCTACAGAAATCAAAAGTTTCCGCGGCGGAAATG 750
ATAAAGTCATGGTATTGGATGTCTTTAGTTTTCAAAGGCGCCGCTTTAC

CTGTTTGGATTACCCATGCAGGACACTGGATTCAAGCGCTATCCATTGCG 800
GACAAACCTAATGGGTACGTCCTGTGACCTAAGTTCGCGATAGGTAACGC

FIG. 7A

APPROVED BY	CLASS
DATE	CLASS
BY	CLASS
DATE	CLASS

CGCTCGGTCGCGTATTATACAGTATGCCTTGACGTTATTCCTCAAGCACA GCGAGCCAGCGCATAATATGTCATACGGAAGTCAATAAGGAGTTCGTGT	850
ACGATATGGAGTATCTGGACACTCTAAAGGAAAAGCTGCTGCGACACTAT TGCTATACCTCATAGACCTGTGAGATTTCTTTTCGACGACGCTGTGATA	900
CCCCCACTCCCGTTGGCTAGTGCCTCGGCTGAAGAGCCGACGACCATAAC GGGGGTGAGGGCAACCGATCACGCAGCCGACTTCTCGGCTGCTGGTATTG	950
TTACATCTTTTATCCAGGAGAGTACAGGATGTGGGAGCTGGTGCCTTACA AATGTAGAAAATAGGTCCTCTCATGTCCTACACCTCGACCACGGAATGT	1000
CAGTGGCCTTTATGTTGGTGTGTTGCTTATGTGTACTTCTCTGTTGAAAA GTCACCGGAAATACAACCACAAACGAATACACATGAAGAGACAAGCTTTT	1050
ATCGATGTATTTTCGTTCCCGCTTTTTGCTGGCCTTATGTAGCGTAATCAC TAGCTACATAAAGCAAGGGCGAAAAACGACCGGAATACATCGCATTAGTG	1100
CACAGCCGGGAGCTTGGCCATGTCCCTTGGCTTGTGTTTCTTCTTTGGCC GTGTCGGCCCTCGAACCAGGTACAGGGAACCGAACACAAAGAAGAAACCGG	1150
TGACAATTTTCGCTGCAGTCAAAGGACATTTTCCCTACCTTGTAATCCTT ACTGTTAAAGCGACGTCAGTTTCTGTAAAAGGGGATGGAACATTAGGAA	1200
GTGGGATTGAAAAATAGCTTGGTGATCACAAGAGCGTAGTCTCAATGGA CACCCTAACCTTTTATCGAACCCTAGTGTCTCGCATCAGAGTTACCT	1250
CGAGACATTCGACGTGAAGATCCGCGTGGCGCAGGCTCTTAGCAAGGAGG GCTCTGTAAGCTGCACTTCTAGGCGCACCGCGTCCGAGAATCGTTCTCTCC	1300
GTTGGCATATATCCAAGACTCTTTTGACGGAGATAACAATTTTGACAATT CAACCGTATATAGGTTCTGAGAAAAGTGCCTCTATTGTTAAAGTGTAA	1350
GGTCTTGCTACTTTTCGTGCCCCGTCATCCAGGAGTTTGTATCTTTGCCAT CCAGAACGATGAAAGCACGGGCAGTAGGTCCTCAAACATAGAAACGGTA	1400
AGTCGGCTTGCTTTCCGATTTTATGCTACAGATGCTGCTCTTCTCAACAA TCAGCCGAACGAAAGGCTAAAATACGATGTCTACGACGAGAAGAGTTGTT	1450
TACTGGCCATGAACATTAAGCGGACCGAGTATACGGCGGAGGCCAAGCAC ATGACCGGTACTTGTAATTCGCCTGGCTCATATGCCGCCTCCGGTTCGTG	1500
CTTCCTAAGATGTTGCTGAGCTGCACCCAAGGGGCTGGTCGACAGGATTT GAAGGATTCTACAACGACTCGACGTGGGTTCCTCCGACCAGCTGTCTTAA	1550
CCGATTTTTCGGGGCCGCCCCAGCACTGCCACCGTTTGTCCCTGGCACAT GGCTAAAAAGCCCCGGCGGGTTCGTGACGGTGGCAAACAGGGACCGTGTA	1600

FIG. 7B

APPROVED	CLASS	SUBCLASS
BY		
UNAPPROVED		

TTCAGCGTTCTCAGTCGCATCCAAAACGTGTTTTGCTGATCCCGCATCT 1650
AAGTCGCAAGAGTCAGCGTAGGTTTTGACACAAAACGACTAGGGCGTAGA
GTTAGCGATCGTACAAGCTTGGTTAATGGACACTCGTCGCCGGAGCAACG 1700
CAATCGCTAGCATGTTTGAACCAATTACCTGTGAGCAGCGGCCCTCGTTGC
AATACCCAAACGCATAAAGATTGTAAATTTCTGGGCGCGGACTCGCTTTT 1750
TTATGGGTTTGCGTATTTCTAACATTTAAAGACCCGCGCCTGAGCGAAAA
TTCAGCGTGCCTTCATGATCTGGATGATTGTGTGGATATGCTCTATAGTT 1800
AAGTCGCACGGAAGTACTAGACCTACTAACACACCTATACGAGATATCAA
TATAATTTCGGGATATCTGGAGCAGTTGTTTAGCATGCAGAGCAACGGCAC 1850
ATATTAAGCCCTATAGACCTCGTCAACAAATCGTACGTCTCGTTGCCGTG
AATGACGGCAACCCTTGAACCTTCAACGGCGACTACAGGCGGGTTCGGGGAG 1900
TTACTGCCGTTGGGAACCTGAAGTTGCCGCTGATGTCCGCCACGCCCTC
CAGTCAGCAGTTTTTTTCGAGGGATGGCAAGCGGACGGGCAGCGTGCCACG 1950
GTCAGTCGTCAAAAAGCTCCCTACCGTTTCGCTGCCCCGTCGCACGGTGC
AGTGCGCCAAGCGGAAGCGGCTTTTCTACGCCAATAAAAGCTCCTCTAGC 2000
TCACGCGGTTTCGCCGAAAAGATGCGGTTATTTTCGAGGAGATCG
GATCGATATAAACGAAACGGCCGAGGAAATGATGAGACTTCGATATCCCA 2050
CTAGCTATATTTGCTTTGCCGGCTCCTTTACTACTCTGAAGCTATAGGGT
GCTTCGACCTAAACTATTTCTTTTCAAACCTTCCACTGGTCCACGATTATG 2100
CGAAGCTGGATTTGATAAAGGAAAGTTTGAAGGTGACCAGGTGCTAATAC
AAACAGTACAACATCTCACTAAGTGGGCACTACGTTACCCTGCTACCGAC 2150
TTTGTCTATGTTGTAGAGTGATTCACCCGTGATGCAATGGGACGATGGCTG
CATTCGCCTTAGTCATGCCATCGCTCCGGAGCTAGCCACTCTGTTGCGGA 2200
GTAAGCGGAATCAGTACGGTAGCGAGGCCTCGATCGGTGAGACAACGCCT
ATCCGCAGGAGCAGCTGCAACAAAATTTTCAATGGAAGGCCCTAGCCGCT 2250
TAGGCGTCTCGTCGACGTTGTTTTAAAAGTTACCTTCCGGGATCGGCGA
GCACTCGATCCGCTGGACTTTAACGATGACGACGTGCGCCGTGAGTCTCC 2300
CGTGAGCTAGGCGACCTGAAATTGCTACTGCTGCACGCGGCACTCAGAGG
GATGGTAATGGCAGAGGGGTTGCCTCTGGTTCCCAAGAGCCCCATGAAA 2350
CTACCATTACCGTCTCCCCAACGGAGACCAAGGGTTCTCGGGGTACCTTT
TATTTTTCGCCATCCTCTTGTGCTGCATCAGCATCTTCGTGCTTTGCTAC 2400
ATAAAAAGCGGTAGGAGAACACGACGTAGTCGTAGAAGCACGAAACGATG

FIG. 7C

APPROVED	U.D. P.H.
BY	CLASS SUPERVISOR
DRAFTSMAN	

ACGATGGTGGTTTTCTACCGCTGCATATGTACCAGGAACATGCCGAGTG 2450
TGCTACCACCAAAAGATGGCGACGTATACATGGTCCTTGATACGGCTCAC

GCGCTCCAGTTGGCACGAATCTGAGGCACCGTACAAGCAGACTGAGCAAA 2500
CGCGAGGTCAACCGTGCTTAGACTCCGTGGCATGTTCTGTCTGACTCGTTT

TCCTGGAGGGAGTTCCAACGCAAATCGCCGGACACAAACATCGCATTGAA 2550
AGGACCTCCCTCAAGGTTGCGTTTAGCGGCCTGTGTTTGTAGCGTAACTT

TGCCTGGTGTCTGACGGCGCCTACATAATCAGCTGCTGCCTTAAAGGCCA 2600
ACGGACCACAGACTGCCGCGGATGTATTAGTCGACGACGGAATTTCCGGT

AATCCGAGTGTGGGATGCACGCACTGGCGAGCAGCTAACAGCATCTCCC 2650
TTAGGCTCACACCCTACGTGCGTCACCGCTCGTCGATTGGTCGTAGAGGG

GATCCGATATTTCAGATCTCTCAGCAGCGGACGGATGGGCAGACGCTGGTA 2700
CTAGGCTATAAGTCTAGAGAGTCGTCGCCTGCCTACCCGTCTGCGACCAT

CGAAAGCTGGCCGTGTCACCGGTCTGGTGCCTTGACTACTTCGATAATCT 2750
GCTTTCGACCGGCACAGTGGCCAGACCACGGAAGTGAAGCTATTAGA

AATCGCAGTAGGCTGCGCCAACGGCCGCGTAGAATTGTGGGAATCCCCTG 2800
TTAGCGTCATCCGACGCGGTTGCCGGCGCATCTTAACACCCTTAGGGGAC

CGGGATTGCTTAAGTGTGCATACCAGGAAGACGCGAAGAGAAACCAGGGT 2850
GCCCTAACGAATTCACACGTATGGTCCTTCTGCGCTTCTCTTTGGTCCCA

ATAACCCACATCCACCTGAACGGCGATCGAGTGATTGTGGCGCGTCTTAA 2900
TATTGGGTGTAGGTGGACTTGCCGCTAGCTCACTAACACCGCGCAGAATT

TGGCCGACTAGATTTTTTACCGCTTAGAGACGTAATAAGGGGAAGCAAA 2950
ACCGGCTGATCTAAAAATGGCGAATCTCTGCATGATGTTCCCCTTCGTTT

TCGACTGGGGTTTTACCTCGGCTTACAGGAGAACTCATGTTTCAACTGGA 3000
AGCTGACCCCAAAATGGAGCCGAATGTCCTCTTGAGTACAAGCTTGACCT

TCCACTGGAAGCCTGGGATTAATGTTGCAGCAGCAGCGCTGTCAGCAAGA 3050
AGGTGACCTTCGGACCCTAATTACAACGTCGTCGTCGCGACAGTCGTTCT

AGCATCCCAGAAGACCACCAAGGAGGAAATGAAAATCACATTGGAGGGTG 3100
TCGTAGGGTCTTCTGGTGGTTCCCTTTACTTTTAGTGTAACCTCCAC

TAAGACTAGCCCATCAGCAGCCAATCACATGCATGCAGGTCGTTAACGAC 3150
ATTCTGATCGGGTAGTCGTCGGTTAGTGTACGTACGTCCAGCAATTGCTG

ATGGTTTTTCACTGGCAGCCAGGATCACACCCTCAAGGTGTATTGCCTCAA 3200
TACCAAAAGTGACCGTCGGTCCTAGTGTGGGAGTTCCACATAACGGAGTT

FIG. 7D

APPROVED	C.D. F.R.
BY	CLASS
DRAFTSMAN	

TAAGTCGGATGTTGAGTATACGCTCCACGGTCACTGTGGGCCTGTAACCT ATTACAGCCTACAACCTCATATGCGAGGTGCCAGTGACACCCGGACATTGGA	3250
GTCTCTTTGTGGATCGCTGGCAACCTGGCACAGGGGGGTCTGGGTCCCAG CAGAGAAACACCTAGCGACCGTTGGACCGTGTCCCCCAGACCCAGGGTC	3300
GACGGCCTGCTCTGCGTATGGGATCTGTTACGGGAGCCTGCATGTATAA CTGCCGGACGAGACGCATACCCTAGACAAGTGCCCTCGGACGTACATATT	3350
TATACAAGCTCACGACGGAGCCGTCAGCTGCCTGGCCTGTGCGCCCAGTT ATATGTTTCGAGTGCTGCCTCGGCAGTCGACGGACCGGACACGCGGGTCAA	3400
ACGTAATCTCGCTAGGCACGGACGAGAGGATTTGCGTATGGGAACGATTT TGCATTAGAGCGATCCGTGCCTGCTCTCCTAAACGCATACCCTTGCTAAA	3450
CAGGGAAACCTGTTGACTACCATCAACATCTCAAACGCATACTCGAGCCT GTCCCTTTTGACAACCTGATGGTAGTTGTAGAGTTTGCCTATGAGCTCGGA	3500
ACTGATGCTAACACCGTCACTATTGGTTACGAGCAAAATGGGTAAGGCCT TGACTACGATTGTGGCAGTGATAACCAATGCTCGTTTTTACCATTCCGGA	3550
CATTCTTGATTGCCAATATAAGAGGGACAGTAAATAATAAATTTAATTCC GTAAGAACTAACGGTTATATTCTCCCTGTCATTTATTATTAAATTAAGG	3600
AACACAGGATCTCTTATTGTGTGGGATGTGCGCACTGGGCAGCCGGCTCG TTGTGTCTTAGAGAATAACACACCCTACACGCGTGACCCGTCGGCCGAGC	3650
CGAGGTCAAACCTGGACTTTGCAAACCTGCAGCTCTGTCCCAAATAATGA GCTCCAGTTTGACCTGAAACGTTTGGACGTCGAGACAGGGTTTTATTACT	3700
TGCTTGCCTGCGATTTCGGTAGTTTGGGACTACGGAAATGAGATCCGCGTC ACGAACGGACGCTAAGCCATCAAACGCTGATGCCTTTACTCTAGGCGCAG	3750
GTCCGCTTTCCTATCGTGCGCAGACAAGTGCCATTAAAGCGCAAAATTTTA CAGGCGAAAGGATAGCACCGTCTGTTACGGTAATTTTCGCGTTTTAAAT	3800
ATTTAGCGTGTTTCGCTAGCACCTAGGAATAAGTTGACTTAAGGCTTTAA TAAATCGCACCAAGCGATCGTGATCCTTATTCAACTGAATTCCGAAATT	3850
AACGCCTGGAAGTCATTGACGCATTCACCTATTTTATATAAATATATACAC TTGCGGACCTTCAGTAACTGCGTAAGTGATAAAATATATTTATATATGTG	3900
TATTAGGGTCCGCAGCAACTTACGGTTTTAACACAAGCTGTACGTATCTC ATAATCCCAGGCGTCGTTGAATGCCAAAATTGTGTTTCGACATGCATAGAG	3950
ATCTCTAGAATTTTGTGTTAGTTTGTGGACACTAAGTGTAACAGCTACGC TAGAGATCTTAAACACAATCAAACACCTGTGATTACATTGTCGATGCG	4000

FIG. 7E



TCCGGTAGGTTAAGGAACTAAACTAAATGAATCAGATATATACACATATA 4050
AGGCCATCCAATTCCTTGATTGATTACTTAGTCTATATATGTGTATAT

TTTTCGCGTAATTATATAAACTACATAGTGTCTTAAAGCGCCTCAGCCTA 4100
AAAAGCGCATTAATATATTTGATGTATCACAGAATTCGCGGAGTCGGAT

ATATAAAATGACTAAATGTTAAAATAAA
TATATTTTACTGATTTACAATTTTATTT

FIG. 7F

APPROVED	BY	CLASS
0.0.10.		CLASS
		DRAFTSMAN

MKNKTKSKHFSKAWKFWPACGHGKTFFGYPLINIPLPGTIPTKIVVPYET 50
 GSGSLSWHSLNTSSTTPQEPHPSGEPWPPEPQVLNSSTTDRSPPLLPWA 100
 QSSPAFFYVQQITLRTSVLPWTEGMQLMDAFRAPLHEVFKLLEIVRNHQS 150
 SENKRTLEHNCLHVDNVKRGTHGQLDQIFPEYGCLLLSPANLWTQNSQNF 200
 TRDTNILNTIFQYHNLQKSKVSAAEMLFGLPMQDTGFKRYPLRARSRIIQ 250
 YALTFLFKHNDMEYLDTLKEKLLRHYPPLPLASASAEPTTITYIFYPGE 300
 YRMWELVPYTVAFMLVFAYVYFSVRKIDVFRSRFLLALCSVITTAGSLAM 350
 SLGLCFFFGLTISLQSKDIFPYLVILVGLNSLVITKSVVSMDETFDVKI 400
 RVAQALSKEGWHISKTLLEITILTIGLATFVPVIOEFCIFAIVGLLSDF 450
 MLQMLLFSTILAMNIKRTHEYTAEAHLPKMLLSCTQGAGRQDFRFFGAAP 500
 ALPPFVPGTFQRSQSHPKLCFADPASVSDRTSLVNGHSSPEQRIPKRIKI 550
 VNFWARTRFFQRAFMIWMIVWICSIVYNSGYLEQLFSMQSNGTMTATLEL 600
 QRRLOAGRGAVSSFFEGWQADGQRATSAPSGSGFSTPIKAPLAIDINETA 650
 EEMRLRYPSFDLNYFLSNFWSTIMKQYNISLSGHYVTLLPTIRLSHAI 700
 APELATLLRNPQEQLQONFQWKALAAALDPLDFNDDVRRESPMVAEGL 750
 PLVPKSPMEIFFAILLCCISIFVLCYTMVVFYRCICTRNYAEWRSSWHES 800
 EAPYKQTEQILEGVPTQIAGHKHRIECLVSDGAYIISCCLKGQIRVWDAR 850
 SGEQLTSISRSDIQISQORTDGQTLVRKLAVSPVWCLDYFDNLIAVGCAN 900
 GRVELWESPAGLLKCAYQEDAKRNQGITHIHLNGDRVIVARLNGRLDFYR 950
 LETYYKKGKQIDWGFTSAYRRTHVRTGSTGSLGLMLQQRCQOEASQKTTK 1000
 EEMKITLEGVRLAHQQPITCMQVVNDMVFTGSQDHTLKVYCLNKSDVEYT 1050
 LHGHCGPVTCLFVDRWQPGTGGSGSQDGLLCVWDLFTGACMYNIQAHDGA 1100
 VSCLACAPSYVISLGTDERICVWERFQGNLLTTINISNAYSSLLMLTPSL 1150
 LVTSKMGKASFLIANIRGTVNNKFNSNTGSLIVWDVRTGQPAREVKLDFA 1200
 NLQLCPKIMMLACDSVVCDYGNEIRVVRFPPIVADKCH

FIG. 8



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GTTTATTAAGCTGCAAATATACTCGTGAAAAAATCAAAACAACCATGAA CAAATAATTCGACGTTTATATGAGCACTTTTTTTAGTTTTGTTGGTACTT	50
CAACAAGTGTTGCAACTATTACTAACTAGTCGCTAGTTTAAAGCAAAGTG GTTGTTCAACAACGTTGATAATGATTGATCAGCGATCAAATTTTCGTTTCAC	100
CGTTGACATTAACCAGTTATGGAAAAACAAAAGCACACGTGAACTAAGAA GCAACTGTAATTGGTCAATACCTTTTTGTTTTTCGTGTGCACTTGATTCTT	150
AACAGATAGAAGGTGGTAAAGCATTCGCAATGGACACGACACTGATGAAC TTGTCTATCTTCCACCATTTCGTAAGCGTTACCTGTGCTGTGACTACTTG	200
TTAATAGACGCTCCGCTGGACGAGTCCATGGATTTGTTCAAAGCGGAGGA AATTATCTGCGAGGCGACCTGCTCAGGTACCTAAACAAGTTTCGCCTCCT	250
TGTCTTCGAACCGTTTCGACGCCGACCTGCACTCGGACATGCTGGACATCA ACAGAAGCTTGGAAGCTGCGGCTGGACGTGAGCCTGTACGACCTGTAGT	300
TCCTCAACGACATGGACCTGGCGCCGACGCAGATGTACAACATGCTGCTG AGGAGTTGCTGTACCTGGACCGCGGCTGCGTCTACATGTTGTACGACGAC	350
GACGAGCCTCGAACGCATACCCAGCAGACGCAGTCCGTGGATCAGCAGCC CTGCTCGGAGCTTGCGTATGGGTCGTCTGCGTCAGGCACCTAGTCGTCGG	400
GCAATCCGTGCGAGCAACAGCCGCACGTGAAAAGCGAGCACTCTTCGCCAG CGTTAGGCAGCTCGTTGTCGGCGTGCACTTTTCGCTCGTGAGAAGCGGTC	450
TGCACATCAAGGAGGAACTGCATCAGCAGCAACAACAGTCGCCGCTTCTC ACGTGTAGTTCTCTCTTGACGTAGTCGTGCTTGTGTCAGCGGCGAAGAG	500
GTCTACAAACCAGATCCCCCTCATAGCCACAAGCTACAATTGTCCCCAGCA CAGATGTTTGGTCTAGGGGAGTATCGGTGTTTCGATGTTAACAGGGGTCGT	550
ACAGCCGACGGGCCTTTTGAAGGCCGCCCAACCAACAGCCACCATACATC TGTCGGCTGCCCGGAAACTTCCGGCGGGTTGTTGTGCGGTGGTATGTAG	600
ACATGGACGCCCAGCGGATGCCGCCGAACACGGCGGTGTATCCCCCATCT TGTACCTGCGGGTCGCCTACGGCGGCTTGTGCCGCCACATAGGGGGTAGA	650
CTGGGCAGTAGCTTTGTCTACCAGTCCATGTCCCCGCCACGTCGCCCGGT GACCCGTCATCGAAACAGATGGTCAGGTACAGGGGCGGGTGCAGCGGCCA	700
GGAGTCTGCGAACCAGAATGTCAATGTCATGCAGCCCGTTGCTGCAACTC CCTCAGACGCTTGGTCTTACAGTTACAGTACGTCGGGCAACGACGTTGAG	750
CTGCTCCCGCTTCTGCTCCTTTGCCCCAGCAGTCGTATCCGCAACCCTTC GACGAGGGCGAAGACGAGGAAACGGGGTCGTCAGCATAGGCGTTGGGAAG	800

FIG. 9A

APPROVED	BY	CLASS
00.111.		00.111.

ATTACGTACAACCTCTAAGGCCGGAATGACTTCCGATGAAGCCATGTACTT 850
TAATGCATGTTGAGATTCCGGCCTTACTGAAGGCTACTTCGGTACATGAA

GCTCTTGACAGCCACGGTAGCCAGTCCAACCCCATCTCCACCTGTGGCTC 900
CGAGAACGTGCGGTGCCATCGGTTCAGGTTGGGGTAGAGGTGGACACCGAG

CACCACCGACAAGCACAGGTAGTCGGGCCAGCAAGGTGCGAGTGGCACCA 950
GTGGTGGCTGTTCTGTGTCCATCAGCCCGGTGCTTCCACGCTCACCGTGGT

CTGGCTCCGTACCTGCCGCTATGGAAGTCCAGGGCAAGGTACCTATCAA 1000
GACCGAGGCAGTGGACGGCGATACCTTCAGGTCCCGTTCATGGATAGTT

CCGGGTTCACCCCAAGGTGAAGGAAGTAAAGCGCTCGGCCACACGCCA 1050
GGCCCAAGTTGGGTTCACCTTCCTTCATTTGCGAGCCGGGTGTTGCGGT

TCGAGCGGCGCTATCGCACCTCAATCAACGACAAGATTAACGAGTTGAAG 1100
AGCTCGCCGCGATAGCGTGGAGTTAGTTGCTGTTCTAATTGCTCAACTTC

AACTTGGTAGTGGGAGAGCAGGCCAAGCTGAACAAGTCCGCAGTGTTGCG 1150
TTGAACCATCACCTCTCGTCCGGTTCGACTTGTTTCAGGCGTCACAACGC

GAAATCCATAGACAAGATTCGGGATCTGCAACGCCAGAATCACGATCTGA 1200
CTTTAGGTATCTGTTCTAAGCCCTAGACGTTGCGGTCTTAGTGCTAGACT

AGGCAGAGTTGCAGCGCCTGCAGAGGGAGCTAATGGCACGCGACGGCTCC 1250
TCCGTCTCAACGTGCGGGACGTCTCCCTCGATTACCGTGCGCTGCCGAGG

AAGGTGAAGGATTTACTTCAGCTGGGCACTCGGCCTGGTAGAGCATCCAA 1300
TTCCACTTCCTAAATGAAGTCGACCCGTGAGCCGGACCATCTCGTAGGTT

GAAGCGCCGCGAGAGCTCGCAGACCTTTACCACGGATGCCGGACTGACGC 1350
CTTCGCGGCGCTCTCGAGCGTCTGGAAATGGTGCCTACGGCCTGACTGCG

CGCCACGCAGCGATGAATCGGATCCTTCGCTCTCGCCCATGCACTCGGAC 1400
GCGGTGCGTCGCTACTTAGCCTAGGAAGCGAGAGCGGGTACGTGAGCCTG

ATCTCGTTGCCGCCATCACCTATGGTGGATCCACCGCCAGCTGTAGCAG 1450
TAGAGCAACGGCGGTAGTGGGATACCACCTAGGTGGCGGTGACATCGTC

TGGCAGCAGCAGCAGCAATGAAGAACCACTGGTGGTGCCAGCTCTATGC 1500
ACCGTCGTCGTCGTTACTTCTTGGTGACCACCACGGGTGAGATACG

GCGGCATGGCCACCACTCTCGCCTCGGACTCTGCATGTTTATGTTTCGCC 1550
CGCCGTACCGGTGGGTGAGAGCGGAGCCTGAGACGTACAAATACAAGCGG

ATCCTGGCCGTCAATCCCTTCAAGACCTTTCTCCAGCGCGGCCACTATGA 1600
TAGGACCGGCAGTTAGGGAAGTTCTGGAAAGAGGTGCGCGCCGGTGATACT

FIG. 9B

CAGTAATGACGATCTTGGCGACATGAGCGGTCAAAGACGCATTCTCTCTT 1650
GTCATTACTGCTAGAACCGCTGTACTCGCCAGTTTCTGCGTAAGAGAGAA

ACGACGTGGAAGGTGAAGGTTTTGCTGTCTGGCAGCAGAGTTCCTGGATA 1700
TGCTGCACCTTCCACTTCCAAAACGACAGACCGTCGTCTCAAGGACCTAT

TGGCTATTGAACTTCACACTGATGCTTGGATGCTTGGTGAAATTGCTGGT 1750
ACCGATAACTTGAAGTGTGACTACGAACCTACGAACCACTTTAACGACCA

TTACGGTGATCCGCAGCTGGACGCGCAAACGGACGCCTACTGCCAGCACA 1800
AATGCCACTAGGCGTCGACCTGCGCGTTTGCCTGCGGATGACGGTCGTGT

GGCAGCGGGCTGACTTCTATTTTAGCCAAGGACAGTCGTCTCAGGCCTAC 1850
CCGTCGCCCCGACTGAAGATAAAATCGGTTCTGTGTCAGCAGAGTCCGGATG

GCCGGTTACCTCAACTGTCTGCATATGTTTGGATTAAGTCTACCGGCGTC 1900
CGGCCAATGGAGTTGACAGACGTATACAAACCTAATTCAGATGGCCGCAG

GCGCTTGGAGTGTTACTTGCAGACCACGTGGCAGTTCCTTCGTTTTCTTT 1950
CGCGAACCTCACAATGAACGTCTGGTGCACCGTCAAGGAAGCAAAGAAA

TCCATCGCCTCTGGCTGGGTGCGGTGCTGTACGGCGGTCCGGTGGGCTG 2000
AGGTAGCGGAGACCGACCCAGCCCACGACAGTGCCGCCAGGCCACCCGAC

TTTAGCAACGCCGCCAGCAGGAAACAGGCGCTGGCATCTGCACGCGAACT 2050
AAATCGTTGCGGCGGTGCTCCTTTGTCCGCGACCGTAGACGTGCGCTTGA

GGCCCTGCTCTTCAACCGACTGAATCAATTGCAACTGACTGGAAATGGAA 2100
CCGGGACGAGAAGTTGGCTGACTTAGTTAACGTTGACTGACCTTTACCTT

GCCGCGGTGACATGAACGGCATTATGATGGCACTATTGCAAGCAACATG 2150
CGGCGCCACTGTACTTGCCGTAATACTACCGTGATAAGCGTTCGTTGTAC

GCTGAAGTGGCGCACAATCTACTGACACCGCGCGAGACCATCTGCATCCA 2200
CGACTTCACCGCGTGTTAGATGACTGTGGCGCGCTCTGGTAGACGTAGGT

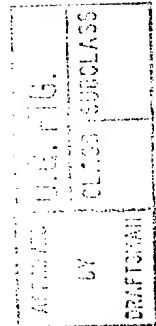
CGTAATGACAGCGTTGCGAATGAAGCGCAGTGCCCCAAAATGGTTGCAAC 2250
GCATTACTGTCGCAACGCTTACTTCGCGTCACGGGGTTTTACCAACGTTG

AGTTCTTCGCCCCGATACTACATGAGCCGGGCTCGTCAAGAGTGCGGTGCG 2300
TCAAGAAGCGGGCTATGATGTACTCGCCCCGAGCAGTTCTCACGCCAGCG

ACTAGGGCCACCGAGCAAACGCAGGAGCTACGTTGGGCATTCACAGCCTA 2350
TGATCCCGGTGGCTCGTTTGCCTCCTCGATGCAACCCGTAAGTGTCGGAT

TGGATATCGCTACTGCGCCACGCACGTCTTACGTACGATCTGAGCGACT 2400
ACCTATAGCGATGACGCGGTGCGTGCAGAAGTGCATGCTAGACTCGCTGA

FIG. 9C



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CCEGCGAGCAGGATGGATTCTTCACACGTCTTAGGAATCCATGTGATCCC 2450
GGCCGCTCGTCTACCTAAGAAGTGTGCAGAATCCTTAGGTACACTAGGG

GCTGCCCCACGTCATTAAGCAATATCGAGAGCATTGTGCTGTTTAAATCCAT 2500
CGACGGGTGCAGTAATTCGTTATAGCTCTCGTAAACGACAAATTTAGGTA

TCAGTGTCTGGTAGGAGCGGGCCACAAATCGGGAGGCCTGCCCACATCTT 2550
AGTCACAGACCATCCTCGCCCGGTGTTTAGCCCTCCGGACGGGTGTAGAA

CTGTCAGCGGAGAGGCGGAACAGTTGCAGCAACAGCAGCACAGCGGCACC 2600
GACAGTCGCCTCTCCGCCTTGTC AACGTCGTTGTCGTCGTCGCCGTGG

ATTGTCAGCAATGTTCTTAAGTACACGTCCCTCCTTAAGGACACTCTCTG 2650
TAACAGTCGTTACAAGAATTCATGTGCAGGGAGGAATTCCTGTGAGAGAC

GGCTGATGAGGATGAGCGGGATACAAACGTGGTGTGGTGGGCCGATGTTT 2700
CCGACTACTCCTACTCGCCCTATGTTTGACCCACACCACCCGGCTACAAA

TGGAGACCGCAGTGC ACTGGCTCCTTGGTGAAGACACGCTGGCCGAGCAA 2750
ACCTCTGGCGTCACGTGACCGAGGAACCACTTCTGTGCGACCGGCTCGTT

TTGTACGGCAGGATCAAGCAAATGCCCCACGCAGCTGCAACAGTGCGGCGA 2800
AACATGCCGTCCTAGTTTCGTTTACGGGTGCGTCGACGTTGTACGCCGCT

AAACGATCATCTGCCCAAGGCGCTGCATGCTGTGCTGCGAGCTAAGATGA 2850
TTTGCTAGTAGACGGGTTCCGCGACGTACGACACGACGCTCGATTCTACT

TCTTACTAAAAACAATGGCAACGCAC TGGACAAAAGTCTCAAGCAATTG 2900
AGAATGATTTTTTGT TACCGTTGCGTGACCTGTTTTTCAGAGTTCGTTAAC

GTAAACATCCTCTGCGATGAGTCGAGTGTGGAGCTCCAAGAGTGCTTGAC 2950
CATTTGTAGGAGACGCTACTCAGCTCACACCTCGAGGTTCTCACGAAC TG

TGTCAACCGGATCACCGACGCCAAGGGTATAAAGCTGCTTTTCCAGTTGC 3000
ACAGTTGGCCTAGTGGCTGCGGTTCCCATATTTTCGACGAAAAGGTCAACG

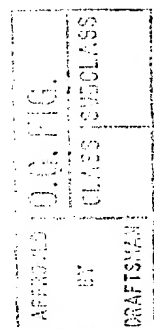
TTACCTGCGATTGGCTGCTCGAAACTAGGACTGCTCTGTGGGAACTGGAA 3050
AATGGACGCTAACCGACGAGCTTTGATCCTGACGAGACACCCTTGACCTT

CACATGAATATGGAGGACGATGGCTTCTACCAAGTGCCAGGTGAAGTGCT 3100
GTGTACTTATACCTCCTGCTACCGAAGATGGTTCACGGTCCACTTCACGA

CGAGAAGTTCCAGACCGATTTGAACTCGTTGCGCAACATTGTGGAGAATA 3150
GCTCTTCAAGGTCTGGCTAAACTTGAGCAACGCGTTGTAACACCTCTTAT

TACCGAACGCCCAATCGCGCATATATTTGTACGAGGCAGTTTGTGCGCCTG 3200
ATGGCTTGCGGGTTAGCGCGTATATAAACATGCTCCGTCAAACAGCGGAC

FIG. 9D



ATGGCTGGAGCCTCACCGTGTCCAACGCAACAGCTCTTGGACAGGAGTCT 3250
TACCGACCTCGGAGTGGCACAGGTTGCGTTGTTCGAGAACCTGTCCTCAGA

GCGATCACGCAACGCCCACTCGTCCATCTTCTGCGGCAGCAAGGATCGGC 3300
CGCTAGTGCCTTGCAGGTGAGCAGGTAGAAGACGCCGTCGTTCCCTAGCCG

GGCAGCAGAACTTCGTGGGCGGAGAGCGGGAACGGGCTTCGGCCATGTAC 3350
CCGTGCTCTTGAAGCACCCGCTCTCGCCCTTGCCCCGAAGCCGGTACATG

GTGGCCTGCAAGTATCTCCCGCCTGCGCTGCTCAGCTCCCCGGGTGAACG 3400
CACCGGACGTTTCATAGAGGGCGGACGCGACGAGTCGAGGGGCCCACTTGC

TGCTGGCATGTTAGCCGAGGCGGCCAAGACCCTGGAGAAGGTGGGCGACA 3450
ACGACCGTACAATCGGCTCCGCCGTTCTGGGACCTCTTCCACCCGCTGT

AGCGAAAGCTCAAGGAGTGCTACCAGCTGATGAAGTCGCTGGGCAACGGC 3500
TCGCTTTCGAGTTCCCTCACGATGGTCGACTACTTCAGCGACCCGTTGCCG

ATTGGCAGCGTGAAGGCTTAGGATAGTAGTGAAGTACATAATAAGTGGCA 3550
TAACCGTCGCACTTCCGAATCCTATCATCACTTCATGTATTATTCACCGT

CGAACGTGGTGTGGATTTTCAGCAAATGAATACCCGTTTGCTATTCAAAA 3600
GCTTGCACCACACCTAAAAGTCGTTTACTTATGGGCAAACGATAAGTTTT

GAATTACAAATGCCTAGGTCTTTATAATTACGCTATTCCTCTGTTTTCCA 3650
CTTAATGTTTACGGATCCAGAAATATTAATGCGATAAGGAGACAAAAGGT

CGCCCGGTTATGCTTAGATTGTAATTTTAAAATTATTTAATATGGACATT 3700
GCGGGCCAATACGAATCTAACATTAAAATTTAATAAATTATACCTGTAA

TTATTTGTTTATTATTTACCGTACTTGTTAAACGTATTTATAACAATAAA 3750
AATAAACAAATAATAAATGGCATGAACAATTGCATAAATATTGTTATTT

TATTTTAACAGATTTAAA
ATAAAATTGTCTAAATTT

FIG. 9E

MDTTLMNLIDAPLDESMDLFKAEDVFEPFDADLHSDMLDIILNDMDLAPT	50
QMYNMLLDEPRHTTQQTQSVDQQPQSVEQQPHVKSEHSSPVHIKEELHQQ	100
QQQSPLLVIKPDPLIATSYNCPQQQPTGLLKAAQPTATIHMDAQRMPPN	150
TAVYPPSLGSSFVYQSMSPTSPVESANQNVNMQPVAATPAPASAPLPQ	200
QSYPPQPFITYNSKAGMTSDEAMYLLLQPTVASPTSPPPVAPPPTSTGSRA	250
SKVRVAPLAPSPAAMEVQGVKPINRVQPKVKEVKRSAHNAIERRYRTSIN	300
DKINELKNLVVGEQAKLNKSAVLRKSIDKIRDLQRQNHDLKAEQLRLQRE	350
LMARDGSKVKDLLQLGTRPGRASKKRRESSQTFTTDAGLTPPRSDSDPS	400
LSPMHSDISLPPSPYGGSTASCSSGSSSSNEEPLVVPSSMRGMATHSRLG	450
LCMFMFALAVNPFKFTLQRGHYDSNDDLGDMSGQRRILSYDVEGEGFAV	500
WQQSSWIWLLNFTLMLGCLVKLLVYGDPQLDAQTDAYCQHRQRADFYFSQ	550
GQSSQAYAGYLNCLHMFGLSLPASRLECYLQTTWQFLRFLFHRLWLGRVL	600
SRRSGGLFSNAASRKQALASARELALLFNRLNQLQLTGNGSRGDMNGIMM	650
ALFASNMAEVAHNLLTPRETICIHVMTALRMKRSAPKWLQQFFARYYMSR	700
ARQECGRTRATEQTQELRWAFTAYGYRYCATHVFTYDLSDSGEQDGFTR	750
LRNPCDPAAHVIKQYREHLLFKSIQCLVGAGHKSGGLPTSSVSGEAEQLQ	800
QQQHSGTIVSNVLKYTSLLKDTLWADEDERDTNVVWWADVLETAVHWLLG	850
EDTLAEQLYGRKQMPQTQLQQCGENDHLPKALHAVLRAKMILLKNNGNAL	900
DKSLKQLVNILCDESSVELQECLTVNRITDAKGIKLLFQLLTCDWLETR	950
TALWELEHMNMEDDGFYQVPGEVLEKFQTDLNSLRNIVENIPNAQSRIYL	1000
YEAVCRLMAGASPCPTQQLLDRSLRSRNAHSSIFCGSKDRRQQNFVGGER	1050
ERASAMYVACKYLPALLSSPGERAGMLAEAAKTLEKVGDKRKLKECYQL	1100
MKSLGNGIGSVKA	

FIG. 10